

### DOI Work Activity 4V: Construct Hydropower Facilities

<b>Program Area:</b>	Construction
<b>End Outcome Goal:</b>	UEO 1 - ENERGY - Manage or Influence Resource Use to Enhance Public Benefit, Responsible Development, and Economic Value
<b>Intermediate Outcome:</b>	UIO 1.2 (Hydropower) – Improve Power Generation Management to Maximize Supply
<b>DOI Sub process:</b>	4c – Provide facilities

**Examples/Notes:** Capital Improvement is the construction of a new facility, or the expansion or extension of an existing facility to accommodate a change of function or unmet programmatic needs. Methods of accomplishing capital improvements are:

**New Construction:** The erection, installation, or assembly of a new facility.

**Alteration** (for change of function, without expansion): Work to change the function of an existing facility or any of its components.

**Expansion:** Increasing the capacity or size of a facility to serve needs different from, or significantly greater than, those originally intended.

**Work Activity Description:** This activity entails construction of new or expanded hydroelectric power plants, including, but not limited to major rebuild of inactive generating plants/units and/or the installation of additional generating units at existing facilities or entirely new power plants. This activity includes all types of work and effort to needed to construct these type facilities. These costs include material, labor, contract services; project planning (including any site reviews, clearances and permits not previously completed), surveys, design, minor construction, signage, accessibility retrofits and enhancements, energy conservation, inspections, corrective actions in response to facility audits, equipment rental, and contract supervision.

<b>Output:</b> Additional power capacity constructed.	<b>Unit of Measure:</b> Additional megawatt capacity constructed. Count the additional power production capacity from construction, additions and major rebuilds once the construction project is complete. The additional power is defined in megawatt capacity
<b>Inputs:</b> Planned and funded construction projects/activities, labor, materials, equipment, contracts, facility review recommendations, congressional authorization/directive, decision document, customer requests needed for above activities.	<b>Cost Drivers:</b> Policies, identified maintenance requirements, regulations, requests, number of facilities and/or facility components generating maintenance, catastrophic events, condition assessments, geographic location and site conditions, cost of technology, contract negotiations, accessibility of site, size of project, non-reimbursable costs, labor availability and specialty, frequency of use, age of facilities, accessibility of features requiring repair, ability to interfere with required releases, size complexity of facilities.

**System Interfaces:** At present, information will be gathered from Time and Procurement reporting. In the future, this data will be gathered from Bureau Facilities Management Systems.

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